Xiao-Zhou Liu

List of Publications by Year
in descending order

14 papers	168 citations	1478505 6 h-index	1474206 9 g-index
14 all docs	14 docs citations	14 times ranked	153 citing authors

#	Article	IF	Citations
1	A reliability assessment approach for slab track structure based on vehicle-track dynamics and surrogate model. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2022, 236, 79-89.	0.7	2
2	Mud Pumping Defect Detection of High-Speed Rail Slab Track Based on Track Geometry Data. Journal of Transportation Engineering Part A: Systems, 2022, 148, .	1.4	5
3	An acoustic-homologous transfer learning approach for acoustic emission–based rail condition evaluation. Structural Health Monitoring, 2021, 20, 2161-2181.	7.5	33
4	Narrowing longitudinally coupled prefabricated slab track maintenance duration with field data analysis of slab deformation under high temperature. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2021, 235, 1099-1109.	2.0	4
5	Surface Crack Detection in Precasted Slab Track in High-Speed Rail via Infrared Thermography. Materials, 2020, 13, 4837.	2.9	11
6	Long-Term Monitoring for Track Slab in High-Speed Rail via Vision Sensing. IEEE Access, 2020, 8, 156043-156052.	4.2	9
7	Influence of Vertical Fastener Stiffness on Rail Sound Power Characteristics: Numerical Study and Field Measurement. Applied Sciences (Switzerland), 2020, 10, 1682.	2.5	0
8	Wayside Detection of Wheel Minor Defects in High-Speed Trains by a Bayesian Blind Source Separation Method. Sensors, 2019, 19, 3981.	3.8	16
9	Identification of Temperature-Induced Deformation for HSR Slab Track Using Track Geometry Measurement Data. Sensors, 2019, 19, 5446.	3.8	18
10	Railway Wheel Out-of-Roundness and Its Effects on Vehicle–Track Dynamics: A Review. , 2019, , 41-64.		1
11	A Bayesian Probabilistic Approach for Acoustic Emission–Based Rail Condition Assessment. Computer-Aided Civil and Infrastructure Engineering, 2018, 33, 21-34.	9.8	64
12	Contemporary Inspection and Monitoring for High-Speed Rail System. , 0, , .		3
13	AET-based Pattern Recognition Technique for Rail Defect Detection. , 0, , .		2
14	Outlier Detection in Sensor-assisted Online Ride Comfort Assessment of High-speed Trains. , 0, , .		0